



February 3, 2006

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill: Federal 3-5-9-18.

Dear Diana:

Enclosed find an APD on the above referenced well. The proposed Federal 3-5-9-18 will be drilled directionally off of the 4-5-9-18 well pad. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in black ink that reads "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

FEB 06 2006

ENCLOSURE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-65970

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

N/A

8. Lease Name and Well No.

Federal 3-5-9-18

9. API Well No.

13-047-37712

10. Field and Pool, or Exploratory

Eight Mile Flat 550

11. Sec., T., R., M., or Blk. and Survey or Area

NW/NW Sec. 5, T9S R18E

12. County or Parish

Utah

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface NW/NW

426' FNL

556' FWL

591746 X 4435424 Y 40.065970  
40.065314  
592181 X 4435356 Y -109.919102

At proposed prod. zone

NE/NW

662' FNL

1983' FWL

14. Distance in miles and direction from nearest town or post office\*

Approximately 19.1 miles southeast of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)

Approx. 662' f/lse, NA f/unit

16. No. of Acres in lease

1,036.24

17. Spacing Unit dedicated to this well

Approx. 40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.

Approx. 1,681'

19. Proposed Depth

6240'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

4952' GL

22. Approximate date work will start\*

1st Quarter 2006

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

*Mandie Crozier*

Name (Printed/Typed)

Mandie Crozier

Date

2/3/06

Title

Regulatory Specialist

Approved by (Signature)

*Bradley G. Hill*

Name (Printed/Typed)

BRADLEY G. HILL  
ENVIRONMENTAL MANAGER

Date

03-22-06

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

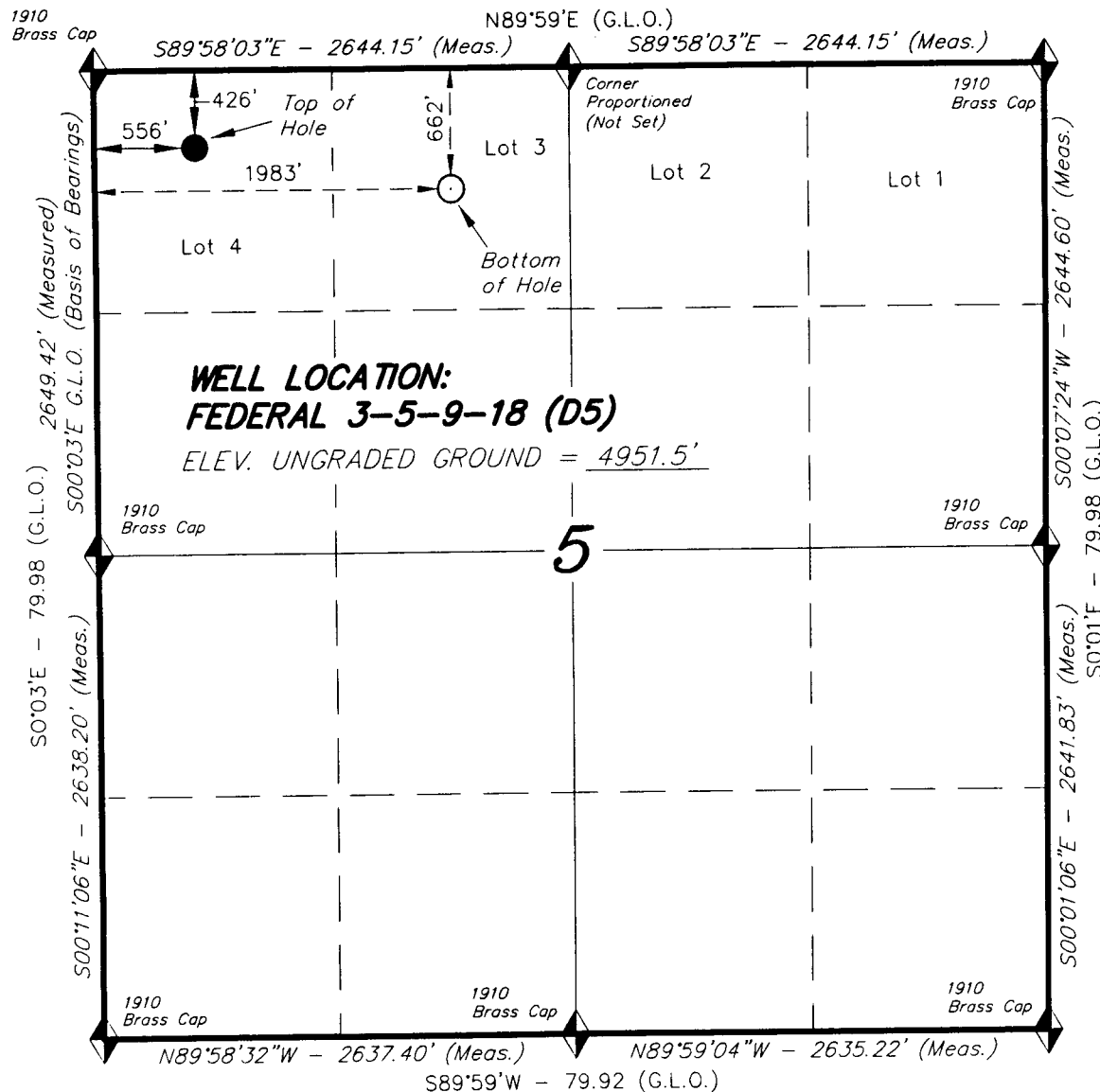
FEB 06 2006

Federal Approval of this  
Action is Necessary

**T9S, R18E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 3-5-9-18 (D5),  
LOCATED AS SHOWN IN LOT 3 OF SECTION  
5, T9S, R18E, S.L.B.&M. UTAH COUNTY,  
UTAH.

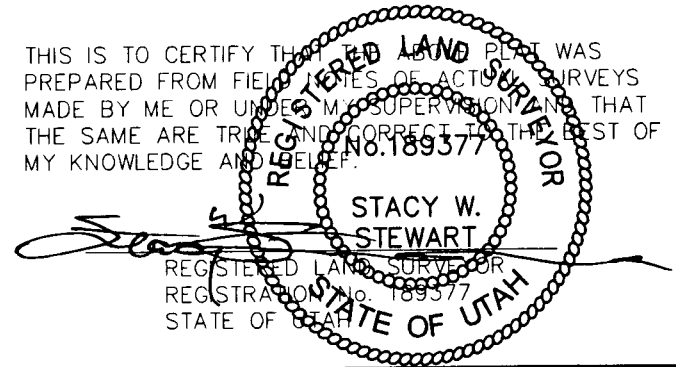


**NOTE:**

The bottom of hole bears S80°34'52"E  
1446.84' from the top of hole.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD  
(PARIETTE DRAW SW)

**FEDERAL 3-5-9-18 (D5)**

**(Surface Location)**

**LATITUDE = 40° 03' 57.65"**

**LONGITUDE = 109° 55' 29.36"**

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 3-8-04

DRAWN BY: R.V.C.

NOTES:

FILE #

NEWFIELD PRODUCTION COMPANY  
FEDERAL #3-5-9-18  
NW/NW SECTION 5, T9S, R18E  
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 2250'
Green River	2250'
Wasatch	6240'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2250' – 6240' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #3-5-9-18  
NW/NW SECTION 5, T9S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #3-5-9-18 located in the NW 1/4 NW 1/4 Section 5, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.8 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 3.2 miles  $\pm$  to it's junction with an existing road to the east; proceed easterly - 1.6 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 0.9 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed northerly along the proposed access road 1,680'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled off of the Federal 4-5-9-18 well pad. This well has not yet been drilled. The APD has been approved and is scheduled to be drilled in July of 2006. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the 4-5-9-18 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Federal 3-5-9-18.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

The proposed Federal 3-5-9-18 will be drilled off of the 4-5-9-18 well pad. No additional surface disturbance will be required for this location.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-62, 6/20/03. Paleontological Resource Survey prepared by, Wade E. Miller, 6/7/03. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 1,575' of disturbed area be granted in Lease ML-22058 and 420' of disturbed area be granted in Lease UTU-65970 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line.

**Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Ferruginous Hawk:** Due to this proposed well location's proximity (less that 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between March 1 and July 31. If the nest remains inactive on May 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre
Indian Ricegrass	<i>Oryzopsis hymenoides</i>	4 lbs/acre
Black Sage	<i>Artemisia nova</i>	1 lbs/acre
Gardner Saltbush	<i>Atriplex gardneri</i>	4 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #3-5-9-18 was on-sited on 7/13/05. The following were present: Shon McKinnon (Newfield Production), Byron Tolman (Bureau of Land Management), Melissa Hawk (Bureau of Land Management), and Amy Torres (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**Representative

Name: Shon McKinnon  
  
Address: Route #3 Box 3630  
Myton, UT 84052  
  
Telephone: (435) 646-3721

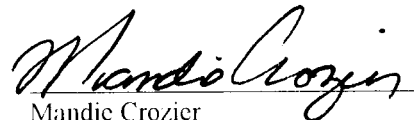
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #3-5-9-18 NW/NW Section 5, Township 9S, Range 18E: Lease UTU-65970 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2/3/06

Date

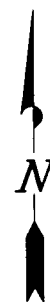
  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# INLAND PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

WELL PAD (D5-9-18)

Section 5, T9S, R18E, S.L.B.&M.



## TOP HOLE FOOTAGES

FEDERAL 4-5-9-18 (D5)  
436' FNL & 528' FWL

FEDERAL 3-5-9-18 (D5)  
426' FNL & 556' FWL

FEDERAL 4-5-9-18 (D5)

FEDERAL 3-5-9-18 (D5)

S80°34'52"E - 1446.84'  
(To Bottom Hole)

## BOTTOM HOLE FOOTAGES

FEDERAL 4-5-9-18 (D5)  
VERTICAL

FEDERAL 3-5-9-18 (D5)  
662' FNL & 1983' FWL

## RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
4-5	VERTICAL	
3-5	-237'	1427'

## LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
4-5	40° 03' 57.54"	109° 55' 29.73"
3-5	40° 03' 57.65"	109° 55' 29.36"

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 3-12-04

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

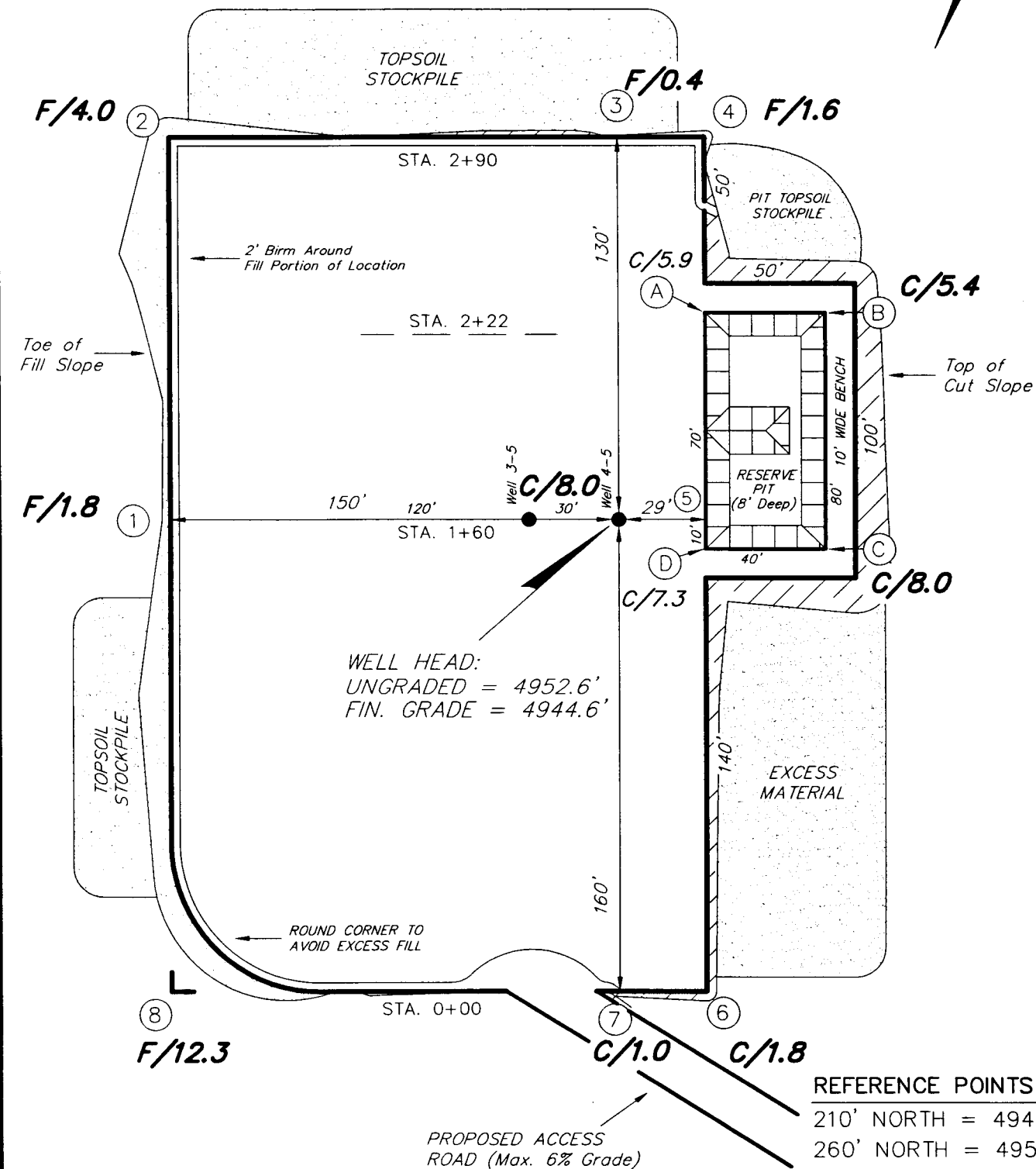
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# INLAND PRODUCTION COMPANY

FEDERAL (D5-9-18)

SECTION 5, T9S, R18E, S.L.B.&M.



## REFERENCE POINTS

210' NORTH = 4946.1'  
260' NORTH = 4955.3'  
200' EAST = 4940.6'  
250' EAST = 4937.8'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

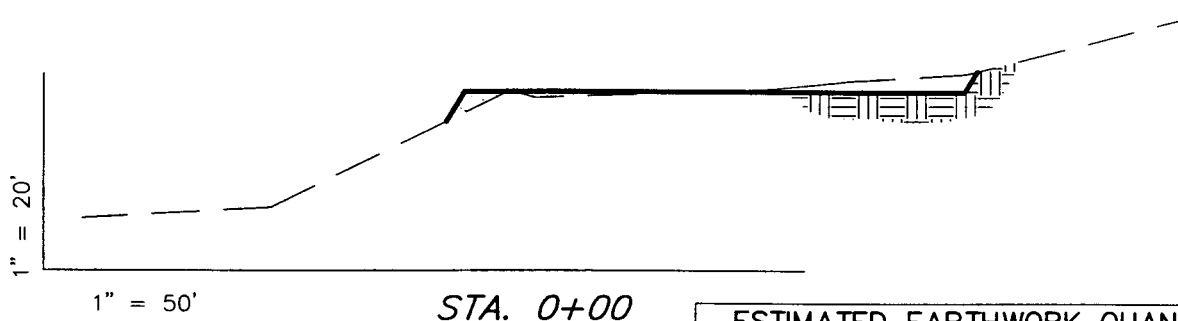
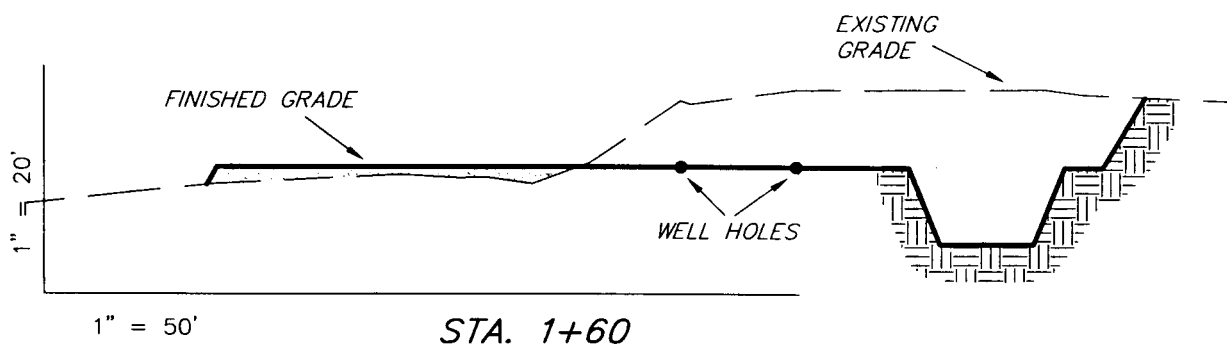
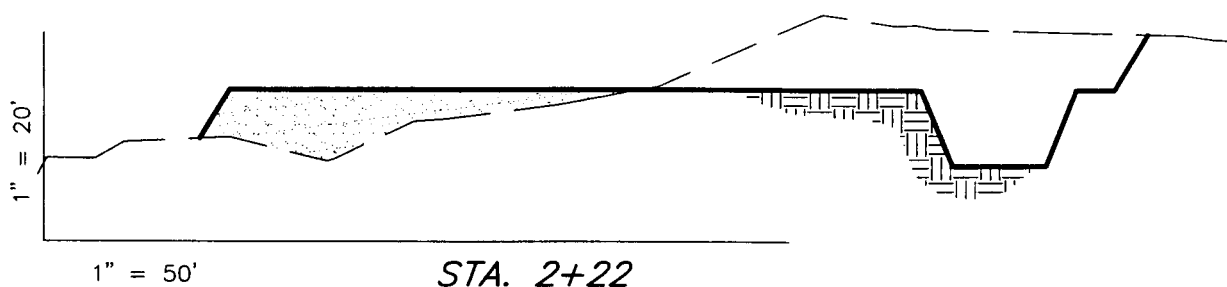
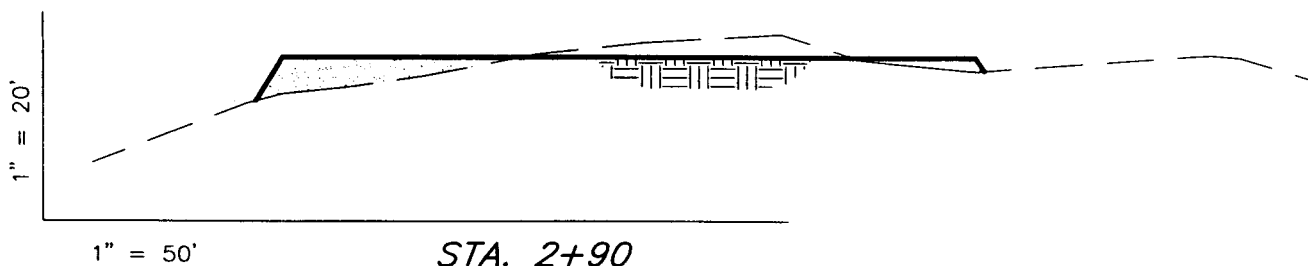
DATE: 3-9-04

Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**FEDERAL (D5-9-18)**



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,100	4,100	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,740	4,100	1,050	640

SURVEYED BY: D.J.S.

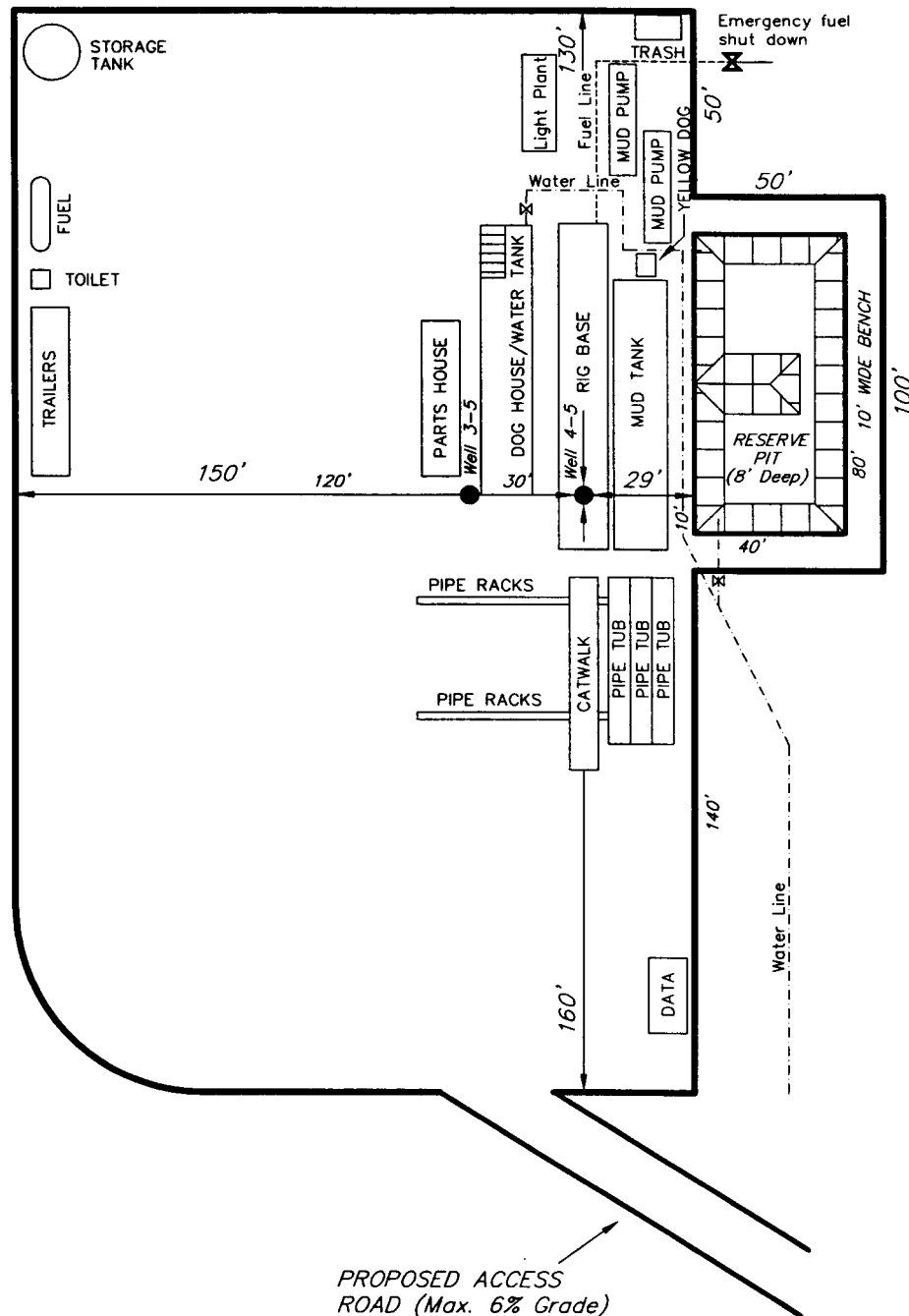
SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 3-9-04

**Tri State**  
**Land Surveying, Inc.**  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

AND PRODUCTION COMPANY  
TYPICAL RIG LAYOUT  
FEDERAL (D5-9-18)



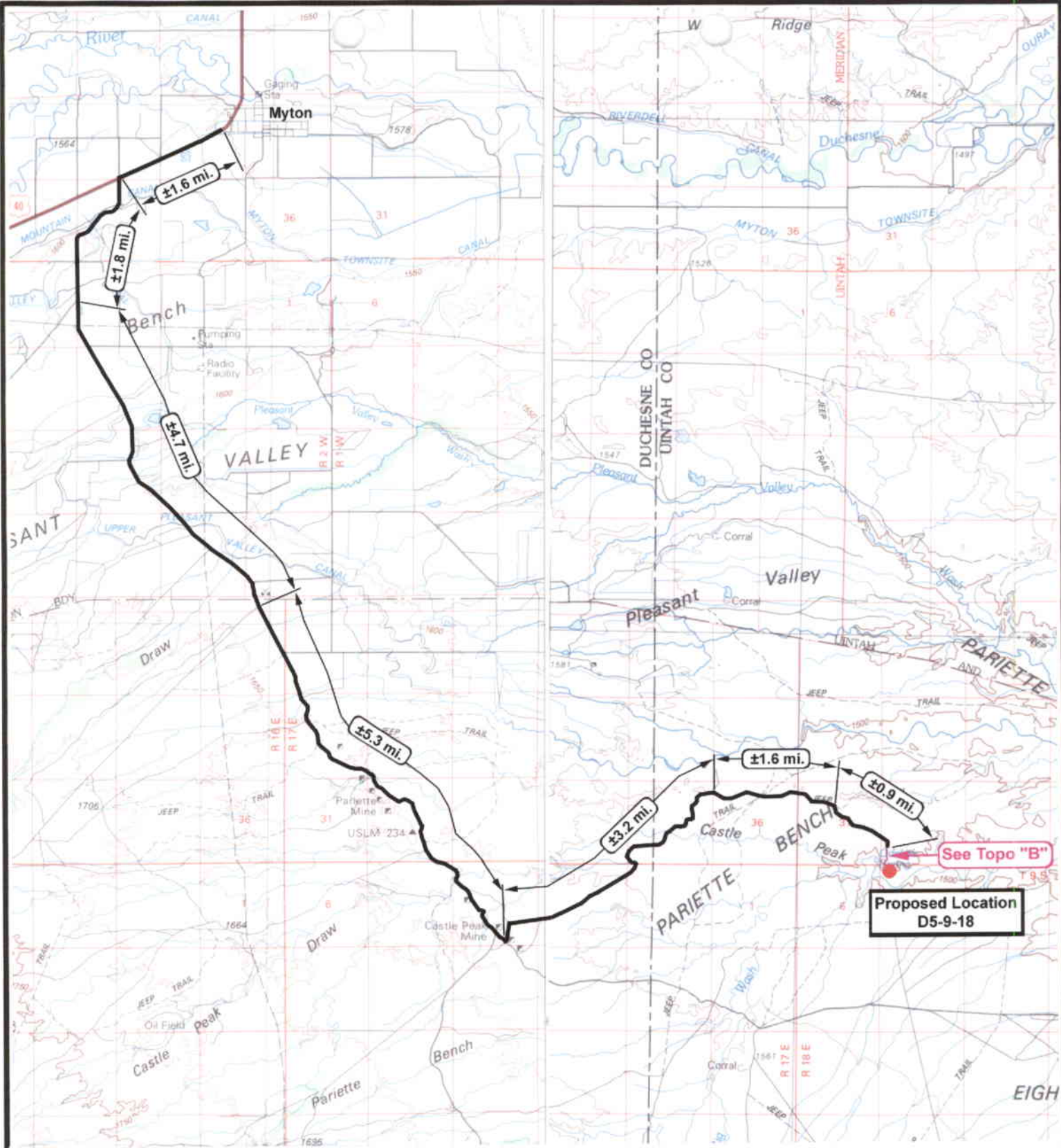
SURVEYED BY: D.J.S.

SCALE:  $1'' = 50'$

DRAWN BY: R.V.C.

DATE: 3-9-04

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**Federal D5-9-18  
SEC. 5, T9S, R18E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**SCALE: 1 = 100,000  
DRAWN BY: bgm  
DATE: 03-31-04**

**Legend**

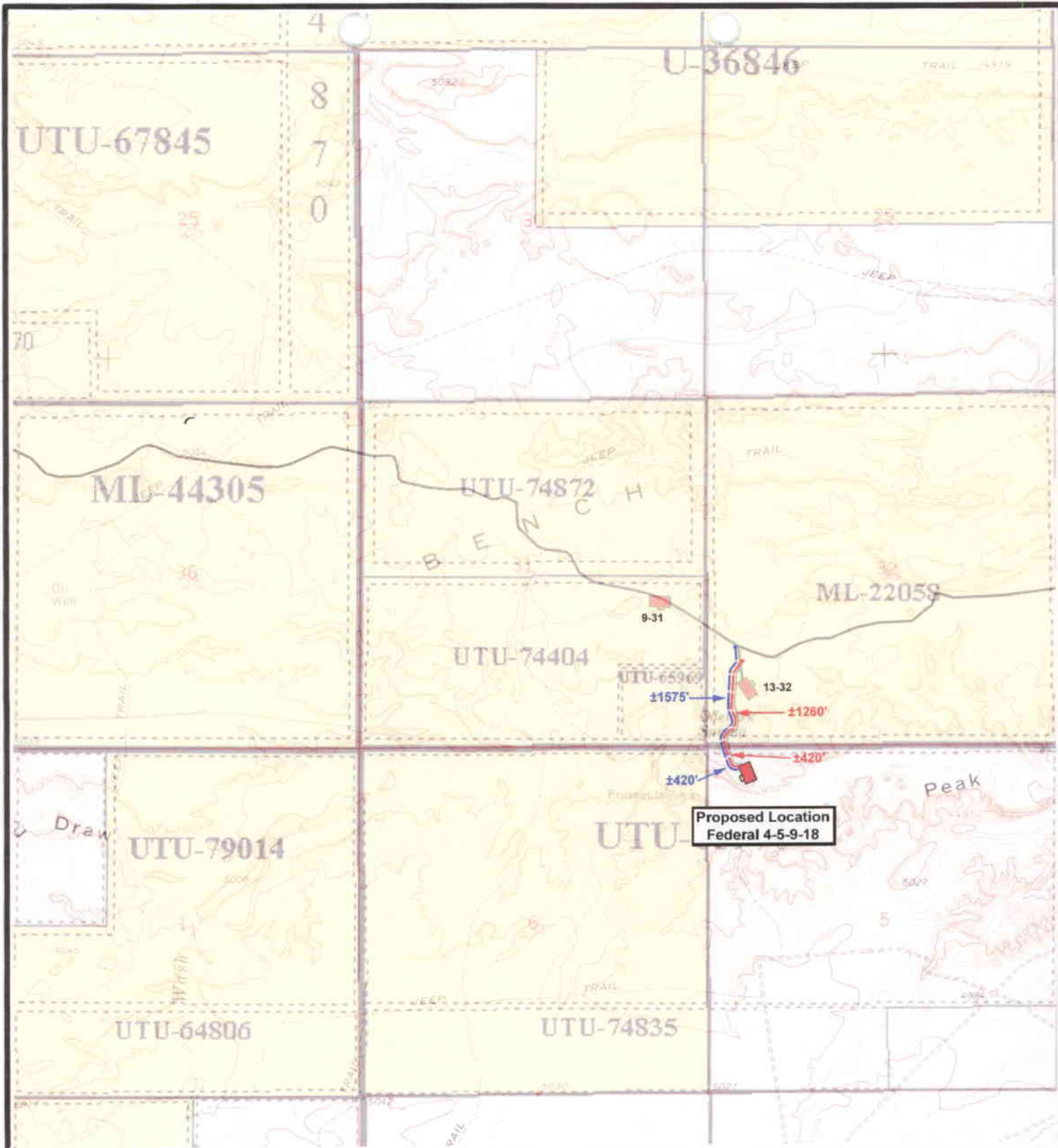
- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**







**Federal 4-5-9-18**  
**SEC. 5, T9S, R18E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 10-20-2004

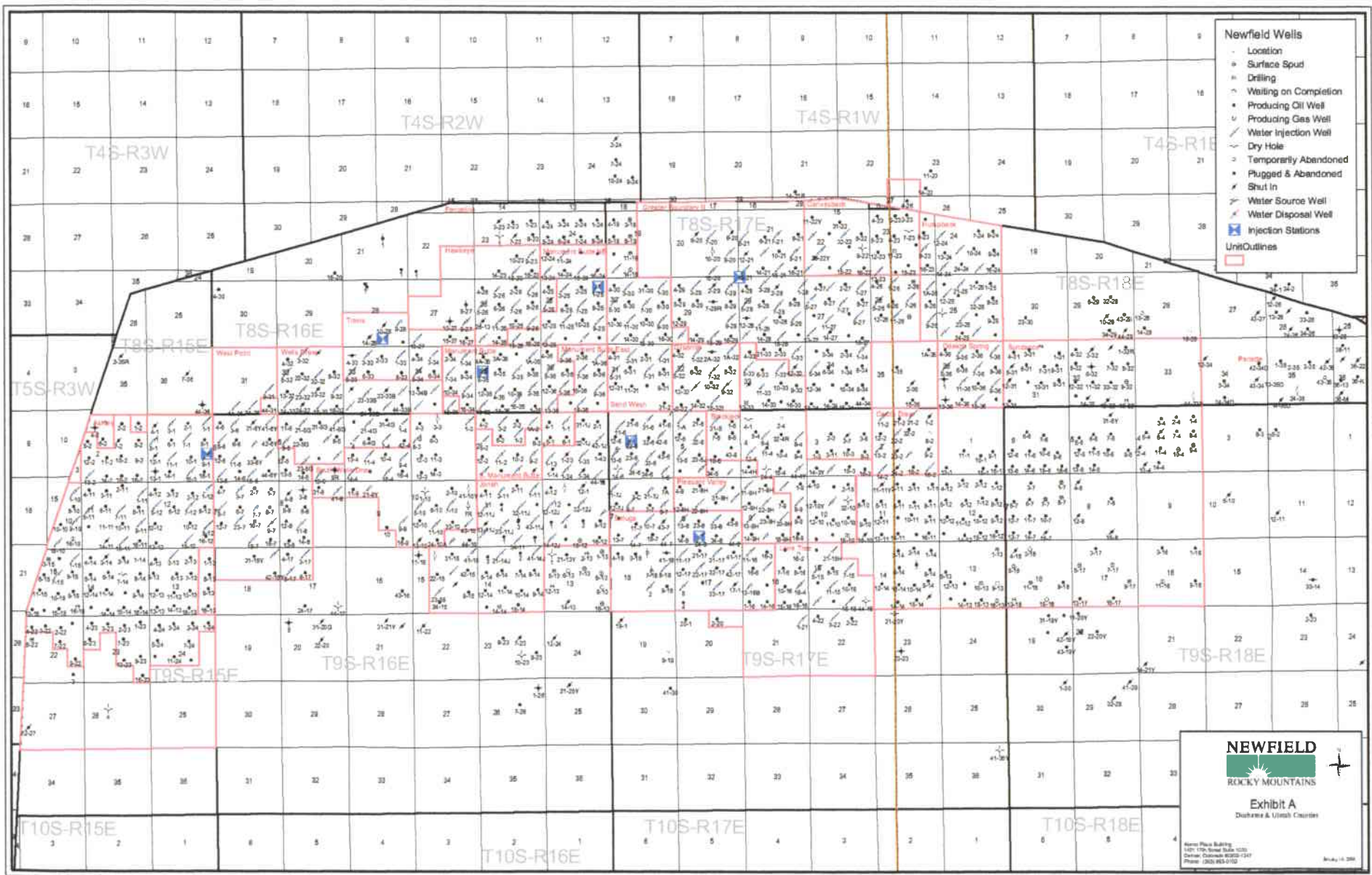
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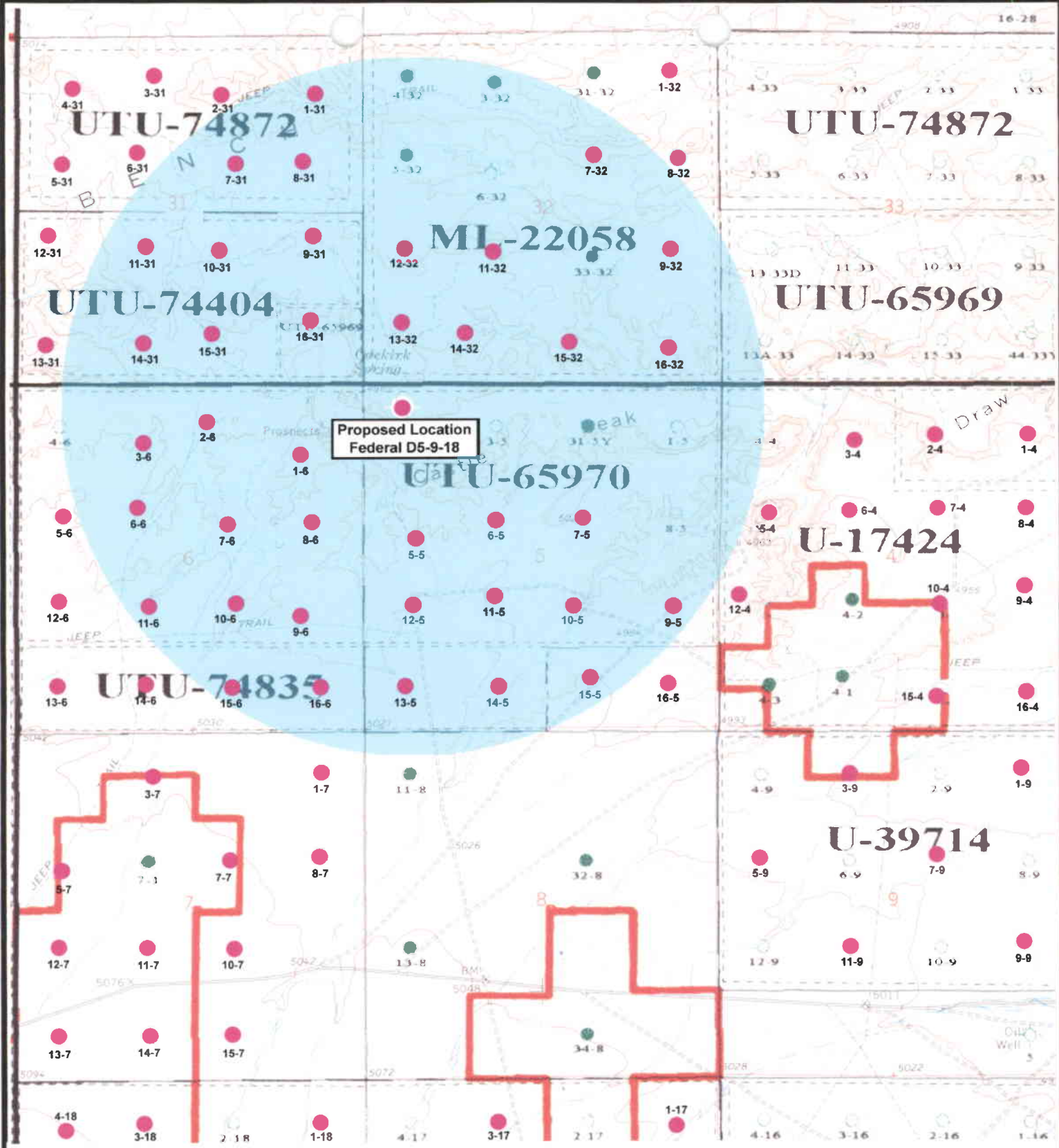
- Roads
- - - Proposed Gas Line
- - - Proposed Water Line

TOPOGRAPHIC MAP

**"C"**







**Federal D5-9-18**  
**SEC. 5, T9S, R18E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**SCALE: 1" = 2,000'**  
**DRAWN BY: bgm**  
**DATE: 02-04-2004**

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**



## 2-M SYSTEM

Blowout Prevention Equipment Systems

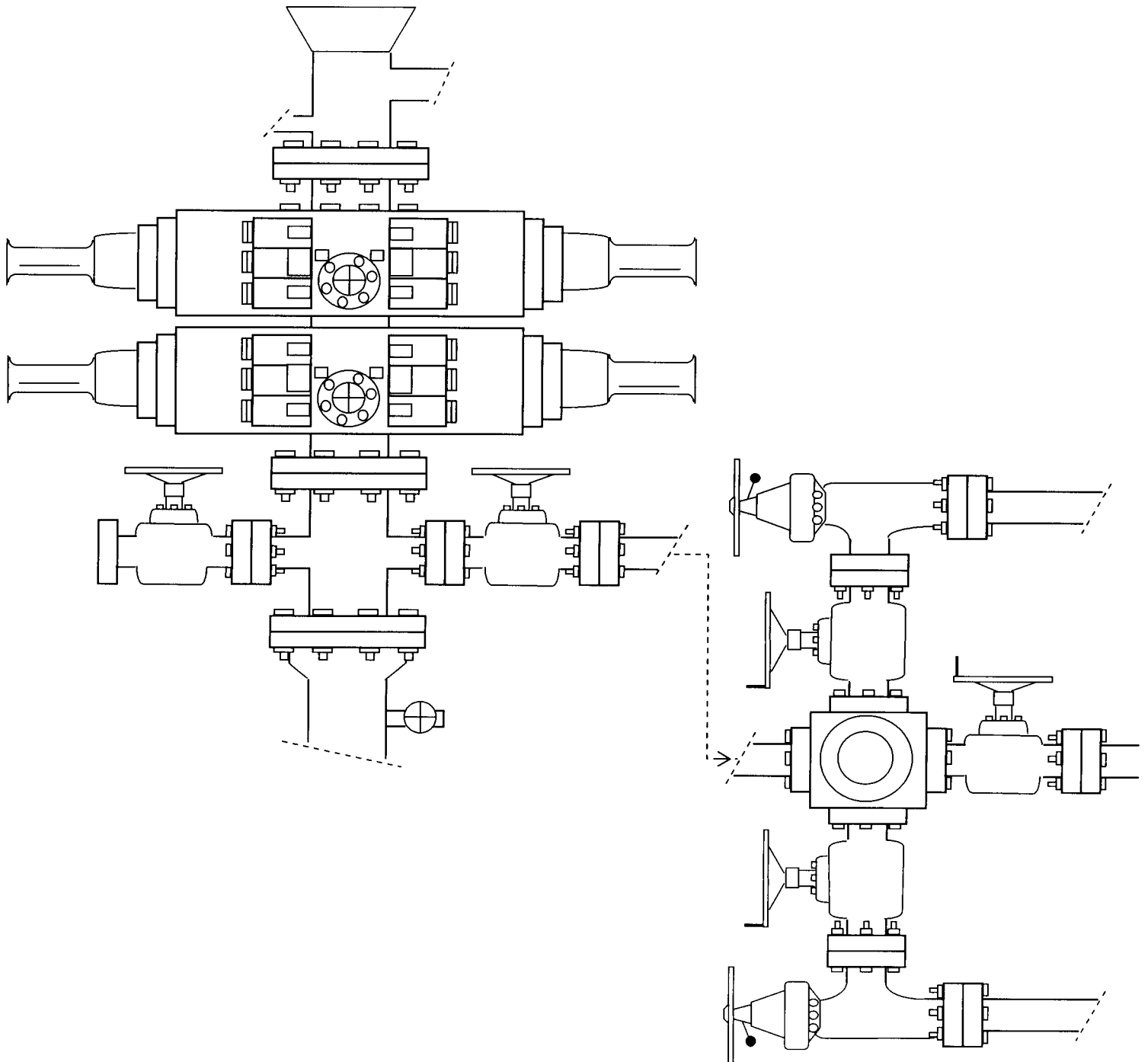


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
INLAND RESOURCES' BLOCK PARCELS IN  
T 9S, R 18E, SECTION 5 and  
T9S, R17E, SECTIONS 9 AND 10  
DUCHESNE AND UINTAH COUNTIES, UTAH

BY:

Angela Whitfield  
and  
Mark C. Bond

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Jon D. Holst & Company  
for  
Inland Resources  
2507 Flintridge Place  
Fort Collins, CO 80521

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 03-62

June 20, 2003

United States Department of Interior (FLPMA)  
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-03-MQ-0390b

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

(South half Section 13, south half Section 14, south half Section 15,  
entire Sections 22, 23, 24, T 9 S, R 15 E; Section 5 minus SW &  
SE 1/4, SE 1/4, and existing well site at NW 1/4, NE 1/4, T 9 S, R 18 E)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
June 7, 2003

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/06/2006

API NO. ASSIGNED: 43-047-37712

WELL NAME: FEDERAL 3-5-9-18

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**PROPOSED LOCATION:**

NWNW 05 090S 180E

SURFACE: 0426 FNL 0556 FWL

**NEW** BOTTOM: 0662 FNL 1983 FWL

COUNTY: UINTAH

LATITUDE: 40.06597 LONGITUDE: -109.9242

UTM SURF EASTINGS: 591746 NORTHINGS: 4435424

FIELD NAME: 8 MILE FLAT NORTH ( 590 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-65970

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

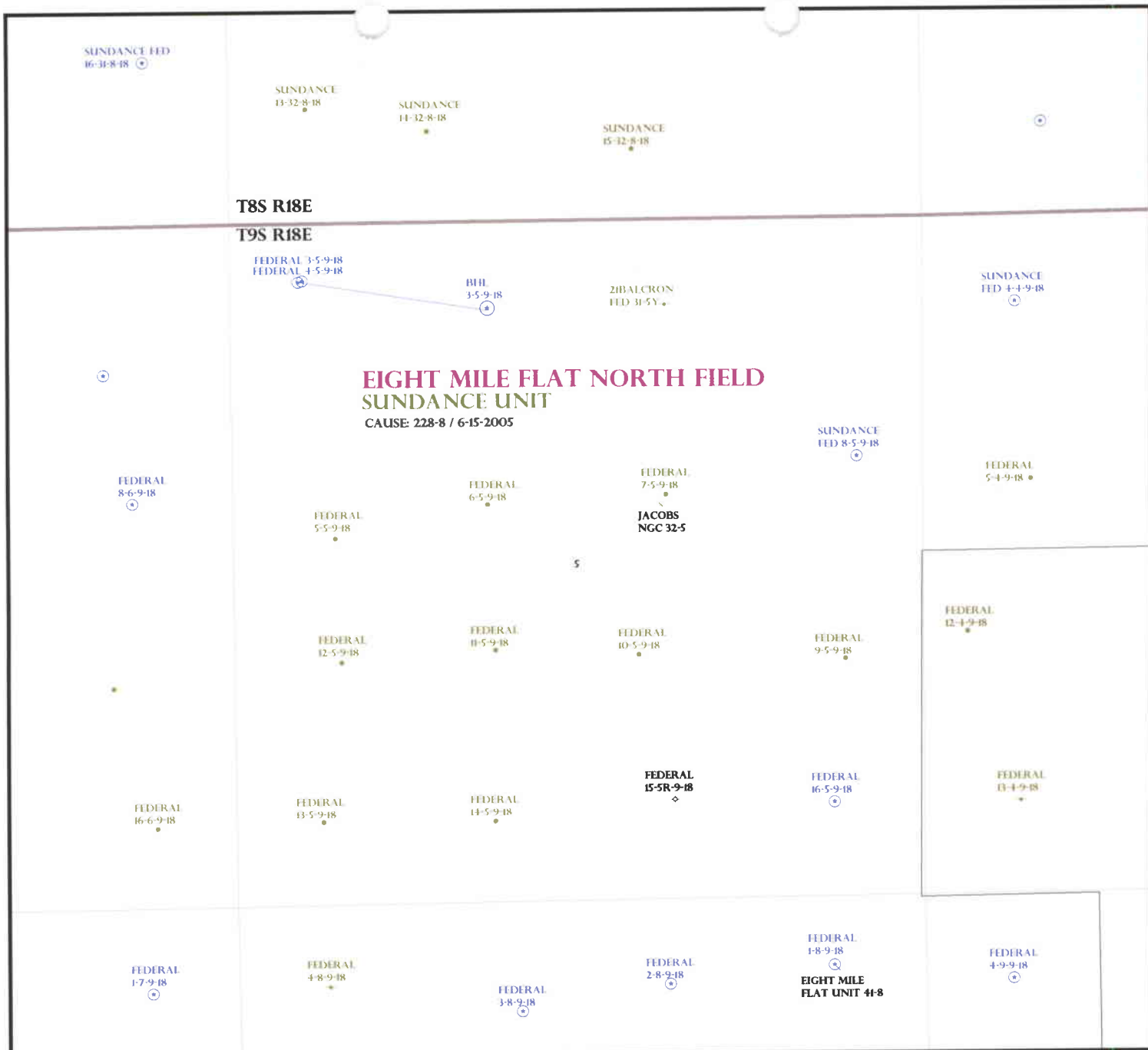
- ☒ Plat
- ☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit  
(No. MUNICIPAL )
- ☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- ☒ Fee Surf Agreement (Y/N)
- ☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

- ☐ R649-2-3.
- Unit: SUNDANCE (GRRV)
- ☐ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ☐ R649-3-3. Exception
- ☒ Drilling Unit  
Board Cause No: 228-4  
Eff Date: 6-15-2005  
Siting: Suspends General Siting
- ☒ R649-3-11. Directional Drill

COMMENTS: See Separate BL

STIPULATIONS: 1- Federal Approval



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

February 9, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2006 Plan of Development Sundance Unit, Uintah County,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2006 within the Sundance Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-37712	Federal 3-5-9-18 Sec 5 T09S R18E 0426 FNL 0556 FWL	
	BHL Sec 5 T09S R18E 0662 FNL 1983 FWL	

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File – Sundance Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:2-9-06

RECEIVED

MAR 22 2006

NEWFIELD

DIV. OF OIL, GAS & MINING



March 20, 2006

Ms. Diana Whitney  
State of Utah, Div. of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Federal Serial #UTU-65970; Sundance Unit UTU-82472X  
Federal 3-5-9-18, 426' FNL, 556' FWL (at surface)  
662' FNL, 1983' FWL (bottomhole)  
Uintah Cty., Utah

Dear Ms. Whitney:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Application for Permit to Drill dated 02/03/2006 which concerns the well referenced above, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception Location and Siting of Wells.

This well is located in the NW4 of Section 5: T9S-R18E; this drillsite location and lease fall within the boundaries of the Sundance Unit (referenced above).

NPC is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, NPC will be able to utilize the existing the existing road and pipelines in the area.

Furthermore, NPC hereby certifies that NPC is the Sundance Unit Operator and all lands within 460 feet of the entire directional well bore are within the Sundance Unit.

Therefore, based on the above stated information NPC requests the permit be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,  
Newfield Production Company

Laurie Deseau  
Properties Administrator



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 22, 2006

Newfield Production Company  
Rt.#3, Box 3630  
Myton, UT 84052

Re: Federal 3-5-9-18 Well, Surface Location 426' FNL, 556' FWL, NW NW, Sec. 5,  
T. 9 South, R. 18 East, Bottom Location 662' FNL, 1983' FWL, NE NW, Sec. 5,  
T. 9 South, R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37712.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab

Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office



**Operator:** Newfield Production Company  
**Well Name & Number** Federal 3-5-9-18  
**API Number:** 43-047-37712  
**Lease:** UTU-65970

**Surface Location:** NW NW      **Sec.** 5      **T.** 9 South      **R.** 18 East  
**Bottom Location:** NE NW      **Sec.** 5      **T.** 9 South      **R.** 18 East

### **Conditions of Approval**

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-65970**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**SUNDANCE**

8. Well Name and No.

**FEDERAL 3-5-9-18**

9. API Well No.

**43-047-37712**

10. Field and Pool, or Exploratory Area

**EIGHT MILE FLAT NORTH**

11. County or Parish, State

**UINTAH COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**426 FNL 556 FWL NW/NW Section 5, T9S R18E**

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/22/06 (expiration 3/22/07).

This APD has not yet been approved by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: **03-12-07**

By: **[Signature]**

**3-12-07**  
**RM**

**RECEIVED**

**MAR 09 2007**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed

**Mandie Crozier**

Title

**Regulatory Specialist**

Date

**3/5/2007**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-37712  
**Well Name:** Federal 3-5-9-18  
**Location:** NW/NW Section 5, T9S R18E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 3/22/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

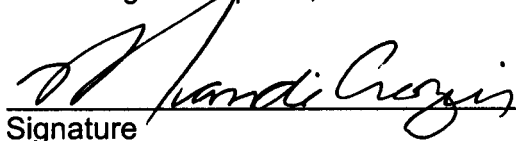
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

3/5/2007

Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

**RECEIVED**

**MAR 09 2007**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**426.FNL 556 FWL NW/NW Section 5, T9S R18E**

5. Lease Designation and Serial No.

**UTU-65970**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**SUNDANCE**

8. Well Name and No.

**FEDERAL 3-5-9-18**

9. API Well No.

**43-047-37712**

10. Field and Pool, or Exploratory Area

**EIGHT MILE FLAT NORTH**

11. County or Parish, State

**UINTAH COUNTY, UT.**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-

ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**NEWFIELD**

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/22/06 (~~expiration 3/22/08~~).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: **03-03-08**

By: 

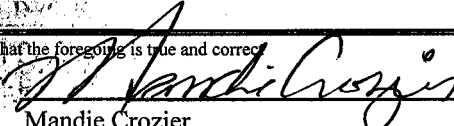
COPY SENT TO OPERATOR

Date: **3-4-2008**

Initials: **KS**

14. I hereby certify that the foregoing is true and correct

Signed

  
**Mandie Crozier**

Title

**Regulatory Specialist**

Date

**2/26/2008**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED**

**FEB 29 2008**

**DIV. OF OIL, GAS & MINING**

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-37712  
Well Name: Federal 3-5-9-18  
Location: NW/NW Section 5, T9S R18E  
Company Permit Issued to: Newfield Production Company  
Date Original Permit Issued: 3/22/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Mandi Crozier  
Signature

2/28/2008

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**FEB 29 2008**  
**DIV. OF OIL, GAS & MINING**

# RECEIVED

FEB 06 2006

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-65970

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Sundance Unit

8. Lease Name and Well No.

Federal 3-5-9-18

9. API Well No.

43-047-37712

10. Field and Pool, or Exploratory

Eight Mile Flat

11. Sec., T., R., M., or Blk. and Survey or Area

NW/NW Sec. 5, T9S R18E

12. County or Parish

Uintah

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NW/NW 426' FNL 556' FWL Lot 4

At proposed prod. zone NE/NW 662' FNL 1983' FWL Lot 3

14. Distance in miles and direction from nearest town or post office\*

Approximatley 19.1 miles southeast of Myton, Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 662' f/lse, NA f/unit

16. No. of Acres in lease

1,036.24

17. Spacing Unit dedicated to this well

Approx. 40 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,

applied for, on this lease, ft.

Approx. 1,681'

19. Proposed Depth

6240'

20. BLM/BIA Bond No. on file

UTB000192 WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

4952' GL

22. Approximate date work will start\*

1st Quarter 2006

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Mandie Crozier

Name (Printed/Typed)

Mandie Crozier

Date

2/3/06

Title

Regulatory Specialist

Approved by (Signature)

[Signature]

Name (Printed/Typed)

Terry Kowalski

Date

FEB 05 2009

Title

Assistant Field Manager  
Lands & Mineral Resources

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

## CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

# RECEIVED

FEB 10 2009

## NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

# UDOGM

NO NOS

07BM4878A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Federal 3-5-9-18  
API No: 43-047-37712

Location: Lot 4, Sec. 5, T9S, R18E  
Lease No: UTU-65970  
Agreement: Sundance (GR) Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Golden Eagle nests within a ½ mile of the location. With this there is a timing restriction during construction and drilling activities to minimize disturbance during nesting periods from January 1 – August 31.
- Operator agreed to use a hospital muffler on the pump jack unit during production to minimize impact to the Golden Eagle nesting habits.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.
- **Interim Reclamation:**

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded using a rangeland drill. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1<sup>st</sup> until snow or ground is frozen) with the following seed mix:

**Seed mix:**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Forage Kochia	<i>Kochia Prostrata</i>	0.20	½"
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"



- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

- **Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim unless otherwise instructed.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- None.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-65970**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**SUNDANCE**

8. Well Name and No.

**FEDERAL 3-5-9-18**

9. API Well No.

**43-047-37712**

10. Field and Pool, or Exploratory Area

**EIGHT MILE FLAT NORTH**

11. County or Parish, State

**UINTAH COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**426 FNL 556 FWL NW/NW Section 5, T9S R18E**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 03-11-09  
By: [Signature]

**COPY SENT TO OPERATOR**

Date: 3-18-2009  
Initials: KS

**RECEIVED**

**MAR 09 2009**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

3/3/2009

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-37712  
**Well Name:** Federal 3-5-9-18  
**Location:** NW/NW Section 5, T9S R18E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 3/22/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

3/3/2009

Date

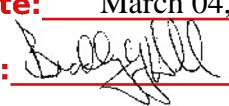
Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

MAR 09 2009

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-65970			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 3-5-9-18			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0426 FNL 0556 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 05 Township: 09.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43047377120000			
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH			
<b>COUNTY:</b> UTAH		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/4/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION            OTHER:         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  Newfield proposes to extend the permit to drill for one more year.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>					
<b>Date:</b> March 04, 2010					
<b>By:</b> 					
<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech			
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/4/2010				





**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43047377120000**

**API:** 43047377120000

**Well Name:** FEDERAL 3-5-9-18

**Location:** 0426 FNL 0556 FWL QTR NWNW SEC 05 TWNP 090S RNG 180E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 3/22/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

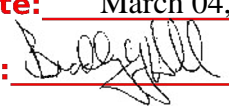
**Date:** 3/4/2010

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** March 04, 2010

**By:**

**RECEIVED** March 04, 2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
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<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech			
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/4/2010				



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43047377120000**

**API:** 43047377120000

**Well Name:** FEDERAL 3-5-9-18

**Location:** 0426 FNL 0556 FWL QTR NWNW SEC 05 TWNP 090S RNG 180E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 3/22/2006

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- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

**Date:** 3/4/2010

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** March 04, 2010

**By:**

**RECEIVED** March 04, 2010

<sup>Spud</sup>  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig  
Name/# Ross Rig # 26 Submitted By Alvin  
Nielsen Phone Number 435-823-  
7468  
Well Name/Number Federal 3-5-9-  
18  
Qtr/Qtr NE/NW Section 5 Township 9S Range  
18E  
Lease Serial Number UTU-  
21839  
API Number 43-047-  
37712

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 7/30/10 8:00 AM ☒  
PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

☒ Date/Time 7/29/10 1:00 AM ☐ PM

BOPE

☐ Initial BOPE test at surface casing point

- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks Ross Rig # 26 spud the Federal @ 8:00 AM on 7/29/10  
& Run 85/8" casing @ 1:00 PM on 7/29/10.

\_\_\_\_\_  
\_\_\_\_\_

~~Spud - Amended~~  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross # 21 Submitted  
By Ryan Crum Phone Number 823-7065  
Well Name/Number Federal 3-5-9-18  
Qtr/Qtr NE/NW Section 5 Township 9s Range 18e  
Lease Serial Number UTU 21839  
API Number 43-047-37712

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 8/6/10      8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 8/6/10      2:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_

---

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
426 FNL 556 FWL  
NENW Section 5 T9S R18E

5. Lease Serial No.

USA UTU-65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
GMBU

8. Well Name and No.

FEDERAL 3-5-9-18

9. API Well No.

4304737712

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

UINTAH, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 8-6-10 MIRU ROSS spud rig #21. Drill 340' of 12 1/4" hole with air mist. TIH W/8 Jt's 8 5/8" J-55 24# csgn. Set @ 340.97. On 8-14-10 Cement with 160 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 4 bbls cement to pit.

**RECEIVED**  
**AUG 23 2010**

**DIV. OF OIL, GAS & MINING**

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Xabier Lasa

Title

Drilling Foreman

Signature

Date

08/15/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

## NEWFIELD PRODUCTION COMPANY - CASING &amp; CEMENT REPORT

**8 5/8"** CASING SET AT

**340.97**

LAST CASING 8 5/8" SET AT 340.97

DATUM 12

DATUM TO CUT OFF CASING 13

DATUM TO BRADENHEAD FLANGE 13

TD DRILLER 340 LOGGER

HOLE SIZE	<b>12 1/4"</b>
-----------	----------------

OPERATOR Newfield Exploration Company

WELL **FEDERAL 3-5-9-18**

FIELD/PROSPECT Monument Butte

CONTRACTOR & RIG # **Ross rig # 21**

## LOG OF CASING STRING:

[illegible]



[illegible]

COMPANY REPRESENTATIVE

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

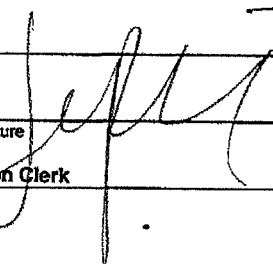
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
B	99999	17400	4301333877	ASHLEY S-11-9-15	NWSE	11	9S	15E	DUCHESNE	7/21/2010	8/30/10
WELL 1 COMMENTS: GRRV BHL = NWSE											
A	99999	17752	4301350301	STEWART 7-29-4-2	SWNE	29	4S	2W	DUCHESNE	7/23/2010	8/30/10
GRRV											
A	99999	17753	4301350298	STEWART 16-20-4-2	SESE	20	4S	2W	DUCHESNE	7/23/2010	8/30/10
GRRV											
A	99999	17754	4304751048	UTE TRIBAL 3-11-4-1E	NENW	11	4S	1E	UINTAH	7/20/2010	8/30/10
GRRV											
A	99999	17755	4304751049	UTE TRIBAL 1-15-4-1E	NENE	15	4S	1E	UINTAH	7/26/2010	8/30/10
WELL 5 COMMENTS: GRRV											
B	99999	17400	4304737712	FEDERAL 3-5-9-18	NENW	5	9S	18E	UINTAH	7/29/2010	8/30/10
WELL 5 COMMENTS: GRRV BHL = NENW											

ACTION CODES (See instructions on back of form)  
A - new entity for new well (single well only)  
B - well to existing entity (group or unit well)  
C - from one existing entity to another existing entity  
D - well from one existing entity to a new entity  
E - other (explain in comments section)

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AUG 26 2010

DIV. OF OIL, GAS & MINING

Signature:   
Production Clerk: Jentri Park  
Date: 08/10/10

NOTE: Use COMMENT section to explain why each Action Code was selected.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-65970
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 426 FNL 556 FWL		8. WELL NAME and NUMBER: FEDERAL 3-5-9-18
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 5, T9S, R18E		9. API NUMBER: 4304737712
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: UINTAH
		STATE: UT

**CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  09/16/2010			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 09-16-10, attached is a daily completion status report.

**RECEIVED**

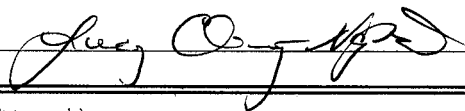
**SEP 20 2010**

**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 09/16/2010

(This space for State use only)

**Daily Activity Report****Format For Sundry****FEDERAL 3-5-9-18****7/1/2010 To 11/30/2010****9/8/2010 Day: 2****Completion**

Rigless on 9/8/2010 - Frac stg #1. Perforate & frac stg #2. Plug #2 set @ 350' from surface. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6394' & cement top @ 66'. Perforate stage #1, CP5 sds @ (6114'-20') w/ 3 1/8" Port plug guns ( 11 gram .36" EH 16.82" pen) w/ 3 spf for total of 21 shots. CP4 sds @ (6071'-76') w/ 3 1/8" Port plug guns ( 11 gram .36" EH 16.82" pen) w/ 3 spf for total of 15 shots. RD H/O truck & The Perforators WLT & mast. Wait on frac crew - MIRU BJ Services frac equipment & The Perforators WLT & crane. Frac stg #1. Perforate & frac stg #2. While RIH w/ wireline plug hung up @ 340'. Attempt to work plug free w/ out success. Set CBP. POOH w/ wireline. RD BJ & The Perforators. EWTR 960 BBLs. RU flowback equipment. Open well to pit @ 2:30 pm. Flowback well for 4 hrs until dead. Recovered 390 BBLs. EWTR 570 BBLs. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6394' & cement top @ 66'. Perforate stage #1, CP5 sds @ (6114'-20') w/ 3 1/8" Port plug guns ( 11 gram .36" EH 16.82" pen) w/ 3 spf for total of 21 shots. CP4 sds @ (6071'-76') w/ 3 1/8" Port plug guns ( 11 gram .36" EH 16.82" pen) w/ 3 spf for total of 15 shots. RD H/O truck & The Perforators WLT & mast. Wait on frac crew - MIRU BJ Services frac equipment & The Perforators WLT & crane. Frac stg #1. Perforate & frac stg #2. While RIH w/ wireline plug hung up @ 340'. Attempt to work plug free w/ out success. Set CBP. POOH w/ wireline. RD BJ & The Perforators. EWTR 960 BBLs. RU flowback equipment. Open well to pit @ 2:30 pm. Flowback well for 4 hrs until dead. Recovered 390 BBLs. EWTR 570 BBLs.

**Daily Cost:** \$0**Cumulative Cost:** \$21,984

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**9/9/2010 Day: 3****Completion**

WWS #3 on 9/9/2010 - Drill out plug. PU tbg to tag sand. - MIRUSU WWS #3. Open well. CSG 0 psi. NU Cameron BOP w/ pipe rams. RU workfloor. MU Weatherford 4 3/4" chomp bit & bit sub. PU 8 - 3 1/8" drill collars & 3 jts 2 7/8" tbg. Tag CBL @ 340'. RU RBS power swivel. RU rig pump lines. Catch circulation. Drill out CBP. LD 3 jts tbg & 8 drill collars. MU bit & bit sub on tbg. TIH picking up tbg to chase plug to btm. Get in hole w/ 186 jts tbg. Tag sand @ 5835'. TOOH w/ tbg . Get out of hole w/ tbg. RD workfloor. ND Cameron BOP's w/ pipe rams. Move excess tbg & pipe racks. SDFN

**Daily Cost:** \$0**Cumulative Cost:** \$66,510

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**9/10/2010 Day: 4****Completion**

WWS #3 on 9/10/2010 - Set plug & perforate stg #3 - Open well. CSG 0 psi. RU The Perforators WLT. RIH w/ wireline. Set solid CBP @ 5630'. Perforate stg #3 sds @ (5573'-77'). POOH w/ wireline. RD WLT. Wait on frac crew.

**Daily Cost:** \$0**Cumulative Cost:** \$70,188

**9/11/2010 Day: 5****Completion**

WWS #3 on 9/11/2010 - Frac stg #3. Perf & frac stgs #4 & 5. Flowback well. NU Schaffer BOP - Open well. 0 psi. RU The Perforators WLT. RU BJ Services frac equipment. Frac stg #3. Perforate & frac stgs #4 & 5. RD WLT & frac equipment. EWTR 1044 BBLS. RU flowback equipment. Open well to pit for flowback @ 12:00 pm. Flowback well for 2.5 hrs to recover 300 BBLS. EWTR 1134 BBLS. ND Cameron BOP. NU Schaffer BOP. RU workfloor. SDFN

**Daily Cost:** \$0

**Cumulative Cost:** \$148,683

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**9/14/2010 Day: 6****Completion**

WWS #3 on 9/14/2010 - Drill out plugs. Swab. - Open well. CSG 100 psi. MU Weatherford 4 3/4" chomp bit. TIH w/ tbg. Tag sand @ 4394'. 186' sand. Clean out sand to CBP @ 4580'. Drill out plug. Continue TIH w/ tbg to tag sand @ 5196'. 68' sand. Clean out sand to CBP @ 5244'. Drill out plug. Continue TIH w/ tbg to tag sand @ 5561'. 69' sand. Clean out sand to CBP @ 5630'. Drill out plug. Continue TIH w/ tbg to tag sand @ 5835'. 130' sand. Clean out sand to CBP @ 5965'. Drill out plug. Continue TIH w/ tbg to tag sand @ 6303'. 91' sand. Clean out sand to PBTD. Circulate clean. RD power swivel. LD 3 jts tbg. RU swab equipment. RIH w/ swab. IFL @ surface. Make 2 swb runs to recover 35 bbls. EFL @ 250'. SDFN EWTR 1099 BBLS

**Daily Cost:** \$0

**Cumulative Cost:** \$179,406

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**9/15/2010 Day: 7****Completion**

WWS #3 on 9/15/2010 - Swab well. Trip tbg for production. Start PU rod detail - Open well. RIH w/ swab to tag fluid @ 600'. Make 12 swab runs to recover 135 BBLS. No sand. Trace of oil. FFL @ 1700'. RD swab. TIH w/ tbg to tag PBTD @ 6394'. No sand. Circulate well clean. LD excess tbg. TOOH w/ tbg. Get out of hole w/ tbg. LD bit & bit sub. MU btm hole assembly & TIH w/ tbg detail @ follows. NC, 2 jts tbg, PSN, 2 jts tbg, TAC, & 194 jts tbg. Get in hole w/ tbg. RD workfloor. ND BOP. Set TAC. MU B-1 adapter flange. Land tbg on wellhead w/ 18000# tension. X-over to rod equipment. Flush tbg w/ 60 bw. PU & prime new Central Hydraulic 2 1/2" x 1 3/4" x 21' x 24' RHAC pump. TIH picking up rod detail @ follows. 4 - 1 1/2" wt bars & 85 - 7/8" guided rods. SDFN

**Daily Cost:** \$0

**Cumulative Cost:** \$187,808

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**9/16/2010 Day: 8****Completion**

WWS #3 on 9/16/2010 - Continue picking up rods. PWOP - Open well. No pressure. Continue picking up rod detail. Get in hole w/ 4 - 1 1/2" wt bars & 239 - 7/8" guided rods(4 per). Space out pump w/ 1 - 2' x 7/8" pony & 1 1/2" x 30' polished rod. RU pmping unit. Fill & test tbg to 200 psi w/ 5 bw. Stroke test pump to 800 psi w/ unit. Good pump action. RDMOSU WWS #3. PWOP @ 10:00 AM W/ 144' SL @ 5 SPM FINAL REPORT! EWTR 1024 BBLS **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$195,400

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**Pertinent Files: Go to File List**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
USA UTU-659701a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
GMBU2. Name of Operator  
NEWFIELD EXPLORATION COMPANY8. Lease Name and Well No.  
FEDERAL 3-5-9-183. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 802023a. Phone No. (include area code)  
(435)646-37219. AFI Well No.  
43-047-37712

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 426' FNL &amp; 556' FWL (NW/NW) SEC.5, T9S, R18 (UTU-65970)

610' FNL &amp; 1645' FWL (NE/NW) SEC.5, T9S, R18 (UTU-65970)

At top prod. interval reported below

At total depth 732 FNL &amp; 2321' FWL (NE/NW) SEC.5, T9S, R18 (UTU-65970)

10. Field and Pool or Exploratory  
GREATER MB UNIT11. Sec., T., R., M., on Block and  
Survey or Area  
SEC.5, T9S, R1812. County or Parish  
UINTAH13. State  
UT14. Date Spudded  
08/06/201015. Date T.D. Reached  
08/25/201016. Date Completed 09/16/2010  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
4952' GL 4964' KB18. Total Depth: MD 6428'  
TVD 610919. Plug Back T.D.: MD 6349'  
TVD 603920. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
✓ DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	340.97'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6418.05'		330 PRIMLITE		66'	
						450 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@6190'	TA @ 6091'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6071-6120 CP4 & CP5	.34"	3	33
B) Green River			5896-5912 CP1	.34"	3	36
C) Green River			5573-5577 A3	.34"	3	12
D) Green River			5174-5178 C	.34"	3	33

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6071-6120 CP4 & CP5	Frac w/ 29503#s of 20/40 sand in 259bbls of Lightning 17 fluid
5896-5912 CP1	Frac w/ 44891#s of 20/40 sand in 294 bbls of Lightning 17 fluid
5573-5577 A3	Frac w/ 14321#s of 20/40 sand in 126 bbls of Lightning 17 fluid
5174-5178 C	Frac w/ 14536#s of 20/40 sand in 127bbls of Lightning 17 fluid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09-16-10	9-27-10	24	→	28.06	45.65	7.84			2-1/2" x 1-3/4" x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
2 7/8"			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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NOV 08 2010

DIV. OF OIL, GAS &amp; MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD AND USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3905 4144
				GARDEN GULCH 2 POINT 3	4262 4548
				X MRKR Y MRKR	4787 4827
				DOUGALS CREEK MRK BI CARBONATE MRK	4970 5228
				B LIMESTON MRK CASTLE PEAK	5382 5824
				BASAL CARBONATE	6264

## 32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (GB6) 4505-4530 .34" 3/ 33 Frac w/ 48686#s of 20/40 sand in 311 bbls of Lightning 17 fluid

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## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)   
 ☐ Geologic Report   
 ☐ DST Report   
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification   
☐ Core Analysis   
☒ Other: Drilling Daily Activity

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Monica BradleyTitle Office Services AssistantSignature Monica BradleyDate 09/30/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)





## **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 5 T9S R18E  
3-5-9-18**

**Wellbore #1**

**Design: Actual**

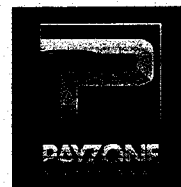
## **Standard Survey Report**

**24 October, 2010**

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PayZone Directional Services, LLC.

Survey Report

DIV. OF OIL, GAS & MINING



Company: NEWFIELD EXPLORATION  
Project: USGS Myton SW (UT)  
Site: SECTION 5 T9S R18E  
Well: 3-5-9-18  
Wellbore: Wellbore #1  
Design: Actual

Local Co-ordinate Reference: Well 3-5-9-18  
TVD Reference: 3-5-9-18 @ 4963.5ft (328)  
MD Reference: 3-5-9-18 @ 4963.5ft (328)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 5 T9S R18E		
Site Position:		Northing:	7,194,653.07 ft
From:	Map	Easting:	2,083,229.44 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 3' 37.558 N
		Longitude:	109° 55' 4.153 W
		Grid Convergence:	1.01 °

Well	3-5-9-18, SHL LAT: 40 03 57.65, LONG: -109 55 29.36		
Well Position	+N/-S	0.0 ft	Northing: 7,196,651.12 ft
	+E/-W	0.0 ft	Easting: 2,081,234.14 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	4,963.5 ft
		Latitude:	40° 3' 57.650 N
		Longitude:	109° 55' 29.360 W
		Ground Level:	4,951.5 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	2010/08/19	11.37
		Dip Angle (°)	65.86
		Field Strength (nT)	52,387

Design	Actual		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)
	0.0	0.0	0.0
		Direction (°)	99.42

Survey Program	Date 2010/10/24		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
412.0	6,418.0	Survey #1 (Wellbore #1)	MWD
		Description	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
412.0	0.13	226.16	412.0	-0.3	-0.3	-0.3	0.03	0.03	0.00
442.0	0.35	236.46	442.0	-0.4	-0.4	-0.4	0.74	0.73	34.33
473.0	0.30	231.00	473.0	-0.5	-0.6	-0.5	0.19	-0.16	-17.61
504.0	0.44	158.72	504.0	-0.7	-0.6	-0.5	1.45	0.45	-233.16
535.0	0.90	142.40	535.0	-1.0	-0.4	-0.2	1.59	1.48	-52.65
565.0	1.60	122.20	565.0	-1.4	0.1	0.3	2.72	2.33	-67.33
596.0	2.50	124.97	596.0	-2.0	1.0	1.3	2.92	2.90	8.94
627.0	3.26	122.38	626.9	-2.9	2.3	2.7	2.49	2.45	-8.35
657.0	3.21	121.41	656.9	-3.7	3.7	4.3	0.25	-0.17	-3.23
688.0	3.74	119.74	687.8	-4.7	5.4	6.1	1.74	1.71	-5.39
718.0	4.39	114.77	717.7	-5.7	7.3	8.1	2.46	2.17	-16.57
749.0	4.75	110.16	748.7	-6.6	9.5	10.5	1.66	1.16	-14.87

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## PayZone Directional Services, LLC.

## Survey Report

DIV. OF OIL, GAS &amp; MINING



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 5 T9S R18E  
 Well: 3-5-9-18  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well 3-5-9-18  
 TVD Reference: 3-5-9-18 @ 4963.5ft (328)  
 MD Reference: 3-5-9-18 @ 4963.5ft (328)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
794.0	5.00	108.30	793.5	-7.9	13.1	14.3	0.66	0.56	-4.11
840.0	5.00	109.30	839.3	-9.2	16.9	18.2	0.19	0.00	2.17
885.0	5.50	108.80	884.1	-10.5	20.8	22.3	1.12	1.11	-1.11
930.0	6.10	102.10	928.9	-11.7	25.2	26.8	2.01	1.33	-14.89
976.0	6.10	99.50	974.6	-12.6	30.0	31.7	0.60	0.00	-5.65
1,021.0	6.20	99.40	1,019.4	-13.4	34.8	36.5	0.22	0.22	-0.22
1,066.0	6.90	99.40	1,064.1	-14.2	39.8	41.6	1.56	1.56	0.00
1,112.0	7.40	96.20	1,109.7	-15.0	45.5	47.4	1.39	1.09	-6.96
1,157.0	7.30	99.90	1,154.4	-15.8	51.2	53.1	1.07	-0.22	8.22
1,201.0	8.00	99.10	1,198.0	-16.8	57.0	59.0	1.61	1.59	-1.82
1,247.0	8.40	100.50	1,243.5	-17.9	63.4	65.5	0.97	0.87	3.04
1,292.0	9.30	98.20	1,288.0	-19.0	70.3	72.4	2.15	2.00	-5.11
1,337.0	9.90	98.70	1,332.3	-20.1	77.7	79.9	1.35	1.33	1.11
1,383.0	10.80	98.90	1,377.6	-21.4	85.9	88.2	1.96	1.96	0.43
1,428.0	11.10	98.00	1,421.8	-22.6	94.3	96.8	0.77	0.67	-2.00
1,473.0	11.70	99.30	1,465.9	-24.0	103.1	105.6	1.45	1.33	2.89
1,519.0	11.60	103.35	1,510.9	-25.8	112.2	114.9	1.79	-0.22	8.80
1,564.0	11.90	104.10	1,555.0	-28.0	121.1	124.1	0.75	0.67	1.67
1,609.0	12.10	104.50	1,599.0	-30.3	130.2	133.4	0.48	0.44	0.89
1,655.0	12.83	103.19	1,643.9	-32.7	139.8	143.3	1.70	1.59	-2.85
1,700.0	13.50	104.18	1,687.7	-35.1	149.8	153.5	1.57	1.49	2.20
1,745.0	14.20	102.40	1,731.4	-37.6	160.3	164.3	1.82	1.56	-3.96
1,790.0	14.50	105.28	1,775.0	-40.2	171.1	175.4	1.72	0.67	6.40
1,836.0	14.72	103.52	1,819.5	-43.1	182.3	186.9	1.08	0.48	-3.83
1,881.0	14.90	102.00	1,863.0	-45.7	193.5	198.4	0.95	0.40	-3.38
1,926.0	15.40	100.80	1,906.5	-48.0	205.1	210.2	1.31	1.11	-2.67
1,971.0	15.90	99.00	1,949.8	-50.1	217.0	222.3	1.55	1.11	-4.00
2,017.0	16.30	99.90	1,994.0	-52.2	229.6	235.1	1.02	0.87	1.96
2,062.0	16.90	99.40	2,037.1	-54.3	242.3	247.9	1.37	1.33	-1.11
2,107.0	16.80	98.40	2,080.2	-56.3	255.2	261.0	0.68	-0.22	-2.22
2,153.0	17.20	95.70	2,124.2	-58.0	268.5	274.4	1.92	0.87	-5.87
2,198.0	17.80	95.70	2,167.1	-59.3	282.0	287.9	1.33	1.33	0.00
2,243.0	18.50	97.10	2,209.9	-60.9	295.9	301.9	1.83	1.56	3.11
2,288.0	19.20	97.80	2,252.4	-62.8	310.3	316.4	1.63	1.56	1.56
2,334.0	20.50	98.50	2,295.7	-65.0	325.8	332.0	2.87	2.83	1.52
2,379.0	21.40	99.20	2,337.7	-67.5	341.7	348.1	2.08	2.00	1.56
2,424.0	22.30	100.20	2,379.5	-70.3	358.2	364.9	2.16	2.00	2.22
2,470.0	22.70	98.80	2,422.0	-73.2	375.6	382.5	1.45	0.87	-3.04
2,515.0	22.00	99.70	2,463.6	-75.9	392.4	399.6	1.73	-1.56	2.00
2,560.0	21.80	100.00	2,505.4	-78.8	409.0	416.4	0.51	-0.44	0.67
2,605.0	22.20	98.10	2,547.1	-81.5	425.6	433.2	1.81	0.89	-4.22
2,651.0	22.30	94.50	2,589.7	-83.4	442.9	450.6	2.97	0.22	-7.83
2,696.0	22.90	95.50	2,631.2	-84.9	460.2	467.8	1.58	1.33	2.22
2,741.0	23.80	94.40	2,672.5	-86.4	477.9	485.6	2.22	2.00	-2.44
2,787.0	25.10	94.50	2,714.4	-87.9	496.9	504.6	2.83	2.83	0.22
2,832.0	25.10	95.40	2,755.2	-89.5	515.9	523.6	0.85	0.00	2.00
2,877.0	24.30	95.90	2,796.0	-91.4	534.6	542.4	1.84	-1.78	1.11
2,922.0	22.50	95.80	2,837.3	-93.2	552.4	560.2	4.00	-4.00	-0.22
2,968.0	21.40	96.70	2,880.0	-95.1	569.5	577.4	2.50	-2.39	1.96
3,013.0	20.35	98.45	2,922.0	-97.2	585.4	593.4	2.71	-2.33	3.89
3,058.0	20.10	100.10	2,964.3	-99.7	600.8	609.0	1.38	-0.56	3.67
3,104.0	19.80	99.60	3,007.5	-102.4	616.2	624.7	0.75	-0.65	-1.09
3,149.0	19.90	99.40	3,049.8	-104.9	631.3	639.9	0.27	0.22	-0.44
3,194.0	20.80	100.00	3,092.0	-107.5	646.7	655.6	2.05	2.00	1.33

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## PayZone Directional Services, LLC.

## Survey Report

DIV. OF OIL, GAS &amp; MINING



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 5 T9S R18E  
 Well: 3-5-9-18  
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 Design: Actual

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 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,239.0	21.60	103.20	3,134.0	-110.8	662.6	671.9	3.13	1.78	7.11
3,285.0	21.50	103.00	3,176.8	-114.7	679.1	688.7	0.27	-0.22	-0.43
3,330.0	20.10	103.40	3,218.8	-118.3	694.7	704.7	3.13	-3.11	0.89
3,375.0	19.90	102.70	3,261.1	-121.8	709.7	720.0	0.69	-0.44	-1.56
3,420.0	20.50	101.90	3,303.4	-125.1	724.8	735.5	1.47	1.33	-1.78
3,466.0	21.20	101.90	3,346.3	-128.5	740.9	751.9	1.52	1.52	0.00
3,511.0	20.80	102.60	3,388.4	-131.9	756.6	768.0	1.05	-0.89	1.56
3,556.0	19.70	100.20	3,430.6	-135.0	771.9	783.6	3.06	-2.44	-5.33
3,601.0	19.20	98.70	3,473.0	-137.4	786.7	798.5	1.57	-1.11	-3.33
3,647.0	19.20	97.60	3,516.4	-139.6	801.6	813.7	0.79	0.00	-2.39
3,692.0	18.90	96.80	3,559.0	-141.4	816.2	828.3	0.88	-0.67	-1.78
3,737.0	18.50	98.60	3,601.6	-143.3	830.5	842.8	1.56	-0.89	4.00
3,783.0	18.80	98.80	3,645.2	-145.6	845.0	857.5	0.67	0.65	0.43
3,828.0	19.30	99.00	3,687.7	-147.8	859.6	872.2	1.12	1.11	0.44
3,873.0	18.60	100.80	3,730.3	-150.4	873.9	886.8	2.03	-1.56	4.00
3,919.0	18.60	99.40	3,773.9	-152.9	888.4	901.4	0.97	0.00	-3.04
3,964.0	18.50	98.50	3,816.5	-155.2	902.5	915.8	0.67	-0.22	-2.00
4,009.0	18.00	97.40	3,859.3	-157.1	916.5	929.8	1.35	-1.11	-2.44
4,055.0	18.20	99.30	3,903.0	-159.2	930.6	944.1	1.35	0.43	4.13
4,100.0	18.60	102.20	3,945.7	-161.8	944.6	958.3	2.22	0.89	6.44
4,146.0	19.20	100.60	3,989.2	-164.8	959.2	973.2	1.72	1.30	-3.48
4,191.0	19.90	99.80	4,031.6	-167.4	974.0	988.3	1.67	1.56	-1.78
4,236.0	20.70	99.00	4,073.8	-170.0	989.4	1,003.9	1.88	1.78	-1.78
4,281.0	21.30	97.80	4,115.8	-172.3	1,005.4	1,020.0	1.64	1.33	-2.67
4,327.0	21.80	97.00	4,158.6	-174.5	1,022.1	1,036.9	1.26	1.09	-1.74
4,372.0	22.10	98.60	4,200.4	-176.8	1,038.8	1,053.7	1.49	0.67	3.56
4,417.0	22.10	97.40	4,242.1	-179.2	1,055.5	1,070.6	1.00	0.00	-2.67
4,463.0	21.80	98.70	4,284.7	-181.6	1,072.6	1,087.8	1.24	-0.65	2.83
4,508.0	22.20	99.10	4,326.5	-184.2	1,089.2	1,104.7	0.95	0.89	0.89
4,553.0	23.20	98.50	4,368.0	-186.8	1,106.4	1,122.0	2.28	2.22	-1.33
4,599.0	23.40	96.20	4,410.2	-189.2	1,124.4	1,140.2	2.02	0.43	-5.00
4,644.0	22.90	97.20	4,451.6	-191.2	1,142.0	1,157.9	1.41	-1.11	2.22
4,689.0	23.40	96.00	4,493.0	-193.2	1,159.6	1,175.6	1.53	1.11	-2.67
4,735.0	23.80	98.00	4,535.1	-195.5	1,177.8	1,194.0	1.95	0.87	4.35
4,780.0	23.40	100.00	4,576.4	-198.3	1,195.6	1,212.0	1.99	-0.89	4.44
4,825.0	23.30	100.80	4,617.7	-201.5	1,213.2	1,229.8	0.74	-0.22	1.78
4,871.0	23.40	101.90	4,659.9	-205.1	1,231.1	1,248.0	0.97	0.22	2.39
4,916.0	24.00	100.70	4,701.1	-208.7	1,248.8	1,266.1	1.71	1.33	-2.67
4,961.0	24.00	101.40	4,742.2	-212.2	1,266.8	1,284.4	0.63	0.00	1.56
5,007.0	24.00	101.90	4,784.2	-215.9	1,285.1	1,303.1	0.44	0.00	1.09
5,052.0	23.80	103.30	4,825.4	-219.9	1,302.9	1,321.3	1.34	-0.44	3.11
5,097.0	23.60	102.80	4,866.6	-224.0	1,320.5	1,339.3	0.63	-0.44	-1.11
5,142.0	22.90	102.90	4,907.9	-228.0	1,337.8	1,357.1	1.56	-1.56	0.22
5,188.0	22.20	104.50	4,950.4	-232.1	1,354.9	1,374.7	2.02	-1.52	3.48
5,233.0	21.49	103.39	4,992.2	-236.2	1,371.2	1,391.4	1.83	-1.58	-2.47
5,278.0	20.40	102.60	5,034.2	-239.8	1,386.9	1,407.4	2.50	-2.42	-1.76
5,324.0	20.70	99.60	5,077.3	-242.9	1,402.7	1,423.5	2.38	0.65	-6.52
5,369.0	20.20	100.10	5,119.5	-245.6	1,418.2	1,439.3	1.18	-1.11	1.11
5,414.0	19.60	102.40	5,161.8	-248.6	1,433.2	1,454.6	2.19	-1.33	5.11
5,447.4	19.24	101.39	5,193.2	-250.8	1,444.1	1,465.7	1.48	-1.09	-3.02
3-5-9-18 TGT									
5,460.0	19.10	101.00	5,205.2	-251.7	1,448.1	1,469.8	1.48	-1.08	-3.10
5,505.0	19.29	98.03	5,247.7	-254.1	1,462.7	1,484.6	2.21	0.42	-6.60
5,550.0	19.60	96.50	5,290.1	-256.0	1,477.6	1,499.6	1.32	0.69	-3.40



# PayZone Directional Services, LLC.

## Survey Report



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Database: EDM 2003.21 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,596.0	19.50	96.80	5,333.5	-257.8	1,492.9	1,514.9	0.31	-0.22	0.65
5,641.0	19.20	98.20	5,375.9	-259.7	1,507.7	1,529.8	1.23	-0.67	3.11
5,686.0	19.90	99.20	5,418.3	-262.0	1,522.5	1,544.9	1.72	1.56	2.22
5,732.0	18.90	101.70	5,461.7	-264.8	1,537.6	1,560.2	2.83	-2.17	5.43
5,777.0	19.30	100.80	5,504.2	-267.6	1,552.0	1,574.9	1.10	0.89	-2.00
5,822.0	19.70	98.10	5,546.6	-270.1	1,566.8	1,589.9	2.19	0.89	-6.00
5,867.0	20.50	98.60	5,588.9	-272.3	1,582.1	1,605.4	1.82	1.78	1.11
5,913.0	20.70	98.90	5,632.0	-274.8	1,598.1	1,621.5	0.49	0.43	0.65
5,958.0	21.40	98.00	5,674.0	-277.2	1,614.1	1,637.7	1.71	1.56	-2.00
6,003.0	21.00	99.00	5,715.9	-279.6	1,630.2	1,654.0	1.20	-0.89	2.22
6,049.0	21.60	97.94	5,758.8	-282.0	1,646.7	1,670.7	1.55	1.30	-2.30
6,094.0	21.45	98.50	5,800.6	-284.4	1,663.1	1,687.2	0.57	-0.33	1.24
6,139.0	20.89	99.44	5,842.6	-286.9	1,679.1	1,703.4	1.46	-1.24	2.09
6,184.0	20.04	101.63	5,884.8	-289.8	1,694.6	1,719.2	2.54	-1.89	4.87
6,230.0	19.25	102.34	5,928.1	-293.0	1,709.7	1,734.6	1.79	-1.72	1.54
6,275.0	18.37	101.94	5,970.7	-296.1	1,723.9	1,749.1	1.98	-1.96	-0.89
6,321.0	17.58	103.13	6,014.4	-299.1	1,737.8	1,763.3	1.89	-1.72	2.59
6,356.0	17.01	104.23	6,047.8	-301.6	1,747.9	1,773.7	1.88	-1.63	3.14
6,418.0	17.01	104.23	6,107.1	-306.1	1,765.4	1,791.7	0.00	0.00	0.00

### Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
3-5-9-18 TGT	0.00	0.00	5,200.0	-236.8	1,427.3	7,196,439.49	2,082,665.41	40° 3' 55.309 N	109° 55' 11.000 W
- actual wellpath misses by 22.9ft at 5447.5ft MD (5193.3 TVD, -250.9 N, 1444.1 E)									
- Circle (radius 75.0)									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

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# NEWFIELD



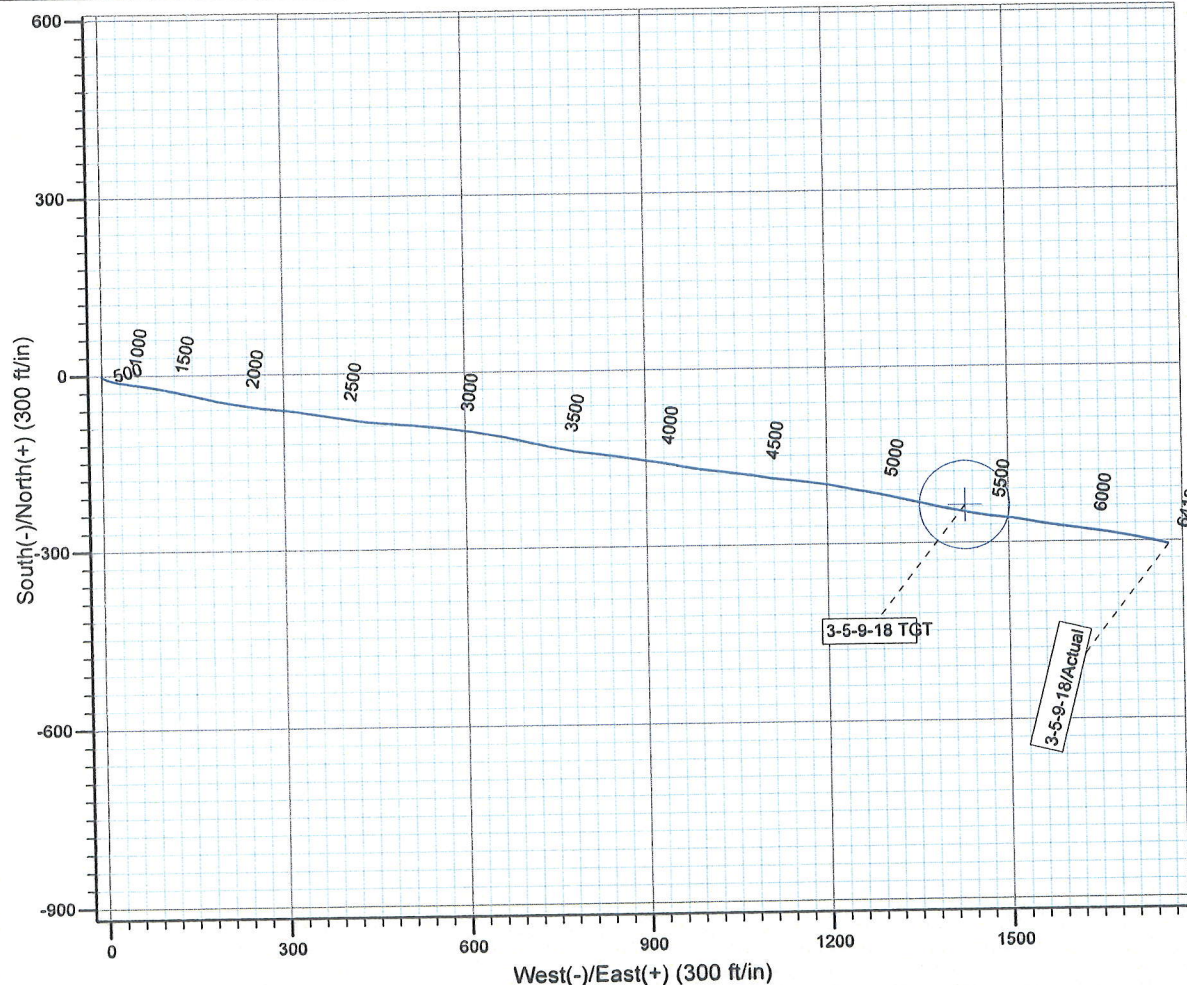
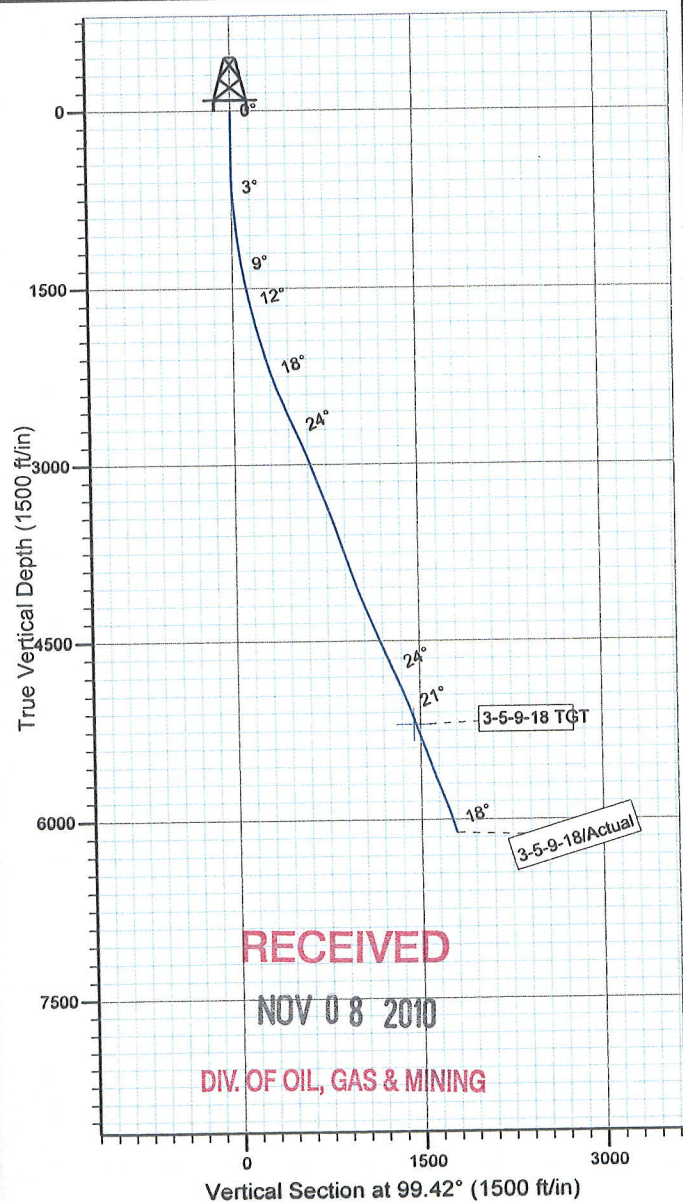
Project: USGS Myton SW (UT)  
 Site: SECTION 5 T9S R18E  
 Well: 3-5-9-18  
 Wellbore: Wellbore #1  
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.37°

Magnetic Field  
 Strength: 52387.1nT  
 Dip Angle: 65.86°  
 Date: 2010/08/19  
 Model: IGRF2010



Design: Actual (3-5-9-18/Wellbore #1)

Created By: *Jim Hudson* Date: 2010, October 24 2010  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

**Daily Activity Report****RECEIVED****NOV 08 2010****Format For Sundry****FEDERAL 3-5-9-18****DIV. OF OIL, GAS & MINING****6/1/2010 To 10/30/2010****FEDERAL 3-5-9-18****Waiting on Cement****Date:** 8/14/2010

Ross #21 at 341. Days Since Spud - On 8-6-10 Ross # 21 spud and drilled 340' of 12 1/4" hole, P/U and run 8 jts. Of 8 5/8", J-55, 15.5# - 1.17 yield, returned 4 bbls to pit, bump plug to 400 psi, BLM and State were notified via email - casing set @ 340.97', On 8-14-10 cement w/ BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and

**Daily Cost:** \$0**Cumulative Cost:** \$39,607**FEDERAL 3-5-9-18****Drill 7 7/8" hole with fresh water****Date:** 8/22/2010

Capstar #328 at 1625. 1 Days Since Spud - Drill 7 7/8" hole F/ 285' to 1625' W/15,000WOB,151TRPM,400GPM, 167fph avg ROP - 1X31.08' Monel, 23 HWDP ( tagged @ 285 ) - 1X5.64 stabalizer, 1X31.08' Monel, 1X2.51 X-over, 1X4.13 Gapsb, 1X2.49 X-over, 1X2.12 A-sub, - Pick up BHA as follows, Smith MI616 7 7/8" PDC Bit, 6.5" Hunting 4/5 6.0 st. 1.5° Mud Motor, - Move Rig 9 Miles to the Federal 3-5-9-18 Nipple up BOP set all surface equipment - Test Pipe, and Blind Rams, Safety valve, Kelly cock, Manifold, choke, kill line to 2,000PSI F/ 10min - Finish Rigging up, Strap all BHA - Test 8 5/8" surface casing to 1,500PSI F/ 30 min. all tested good

**Daily Cost:** \$0**Cumulative Cost:** \$81,567**FEDERAL 3-5-9-18****Drill 7 7/8" hole with fresh water****Date:** 8/23/2010

Capstar #328 at 4751. 2 Days Since Spud - Drill 7 7/8" hole F/ 1625' to 3257' W/20,000WOB,151TRPM,400GPM, 141fph avg ROP - Rig Service - Drill 7 7/8" hole F/ 3257' to 4751' W/20,000WOB,151TRPM,400GPM, 141fph avg ROP

**Daily Cost:** \$0**Cumulative Cost:** \$100,156**FEDERAL 3-5-9-18****Drill 7 7/8" hole with fresh water****Date:** 8/24/2010

Capstar #328 at 6155. 3 Days Since Spud - Lay down drill pipe and BHA, - Pump 260 bbls of 9.4# brine to kill 7 gal of min flow - Lay down drill pipe to 4000', - Pump sweep and circulate for lay down - Drill 7 7/8" hole F/ 6155' to 6428' TD w/ 20K WOB,TRPM-184,GPM-400,Avg ROP-60 ft/hr - No H2S in last 24 hours,Well flowing around 5 to 10 gallons a minute. - Drill 7 7/8" hole F/ 4751' to 6155' w/ 20K WOB,TRPM-184,GPM-400,Avg ROP-58.5 ft/hr - Rig up B&C Quicktest and test 5.5" rams to 2000#/10 minutes - R/U and run 152 jts of 5.5" , J-55,15.5#,LTC set @ 6418.05',top of short jt@4261.96' - Circulate casing - Drill 7 7/8" hole F/ 4751' to 6155' w/ 20K WOB,TRPM-184,GPM-400,Avg ROP-58.5 ft/hr - No H2S in last 24 hours,Well flowing around 5 to 10 gallons a minute. - Drill 7 7/8" hole F/ 6155' to 6428' TD w/ 20K WOB,TRPM-184,GPM-400,Avg ROP-60 ft/hr - Pump sweep and circulate for lay down - Lay down drill pipe to 4000', - Pump 260 bbls of 9.4# brine to kill 7 gal of min flow - Lay down drill pipe and BHA, - R/U PSI and log 6410' loggers TD to surface ( Density, porosity,compensated neutron) - Rig up B&C Quicktest and test 5.5" rams to 2000#/10 minutes - R/U and run 152 jts of 5.5" , J-55,15.5#,LTC set @ 6418.05',top of short jt@4261.96' - Circulate casing - R/U PSI and log 6410' loggers TD to surface ( Density,

porosity, compensated neutron)

**Daily Cost:** \$0

**Cumulative Cost:** \$121,555

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**FEDERAL 3-5-9-18**

**Wait on Completion**

**Date:** 8/25/2010

Capstar #328 at 6428. 5 Days Since Spud - Cement w/ 330sks of lead @ 11ppg and 3.53 yield(PL II+3%KCL+.5#CF+2#Kol+FP-6L), followed by 450 sks - tail @ 14.4ppg and 1.24 yield(50:50:2+.05#SF+3%Kcl+.5%EC-1+.25#CF) displace w/ 152.3 bbls of fresh, - returned 50 bbls cement to pit, bump plug to 2355 psi, BLM and State were notified via email. - Nipple down and set 5.5" csg. Slips w/ 101,000# tension - Clean mud tanks - Release rig @ 1330 on 8-25-10 - Circulate **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$317,725

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**Pertinent Files: [Go to File List](#)**

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